

10/508,893

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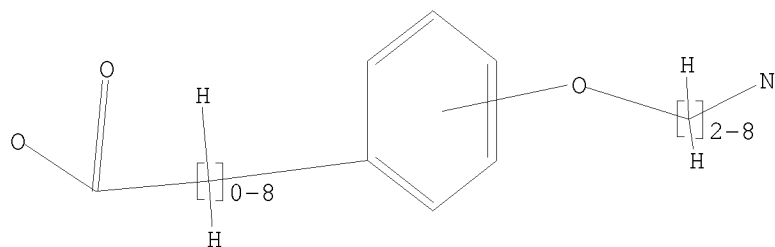
Uploading C:\Program Files\Stnexp\Queries\8893a.str

L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

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REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 11:01:24 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2514382 TO ITERATE

38.0% PROCESSED 956360 ITERATIONS

1018 ANSWERS

39.8% PROCESSED 1000000 ITERATIONS

1060 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.24

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS: 2514382 TO 2514382

PROJECTED ANSWERS: 2511 TO 2819

L2 1060 SEA SSS FUL L1

L3 135 L2

=> s l3 and py<2002

21986569 PY<2002

L4 9 L3 AND PY<2002

Toh

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10/923,271

=> d 1-9 ibib abs hitstr

L4 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:208799 CAPLUS
DOCUMENT NUMBER: 148:275678
TITLE: Vitronectin receptor antagonist pharmaceuticals
INVENTOR(S): Rajopadhye, Milind; Barrett, John A.; Carpenter, Jr.,
Alan P.; Cheesman, Edward H.; Harris, Thomas D.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company, USA
SOURCE: U.S., 133pp., Cont.-in-part of U.S. Ser. No. 466,588.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 7332149	B1	20080219	US 2000-599890	20000621
US 6322770	B1	20011127	US 1999-281207	19990330 <--
US 20020015680	A1	20020207	US 1999-281209	19990330
US 6524553	B2	20030225		
US 6548663	B1	20030415	US 1999-281050	19990330
US 6794518	B1	20040921	US 1999-466588	19991217
US 20030124120	A1	20030703	US 2002-269252	20021011
US 20030149262	A1	20030807	US 2002-306054	20021126
US 20050154185	A1	20050714	US 2004-770380	20040202
US 7321045	B2	20080122		
PRIORITY APPLN. INFO.:			US 1998-112829P	P 19981218
			US 1999-466588	A2 19991217
			US 1998-80150P	P 19980331
			US 1998-112715P	P 19981218
			US 1998-112732P	P 19981218
			US 1998-112831P	P 19981218
			US 1999-281050	A3 19990330
			US 1999-281209	A3 19990330

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The present invention describes novel compds. comprising at least one of a chemotherapeutic agent or a radiosensitizer agent, and further comprising a diagnostic or therapeutic metallopharmaceutical selected from defined ^{99m}Tc complexes, e.g., ^{99m}Tc(L)(tricine)(TPPTS) where L = diazenido derivative of polyfunctional benzenesulfonic acid I and TPPTS = tris(m-sulfophenyl)phosphine trisodium salt, or various indium, lutetium, yttrium or gadolinium polyfunctionalized DOTA-type complexes, e.g., indium complex II, useful for the diagnosis and treatment of cancer, methods of imaging tumors in a patient, and methods of treating cancer in a patient. The pharmaceuticals are thus comprised of a targeting moiety that binds to the vitronectin receptor that is expressed in tumor vasculature, an optional linking group, and a therapeutically effective radioisotope or

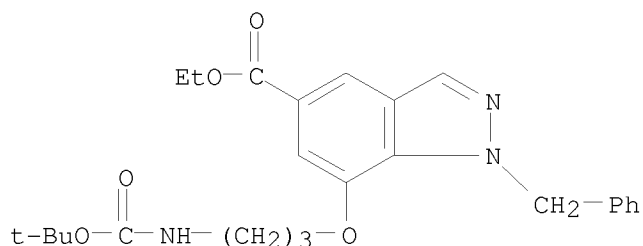
diagnostically effective imageable moiety. The present invention also provides novel compds. useful for monitoring therapeutic angiogenesis treatment and destruction of new angiogenic vasculature. The present invention also provides novel compds. useful for imaging atherosclerosis, restenosis, cardiac ischemia, and myocardial reperfusion injury. The present invention also provides novel compds. useful for the treatment of rheumatoid arthritis. The pharmaceuticals are comprised of a targeting moiety that binds to a receptor that is upregulated during angiogenesis, an optional linking group, and a therapeutically effective radioisotope or diagnostically effective imageable moiety. The imageable moiety is a gamma ray or positron emitting radioisotope, a magnetic resonance imaging contrast agent, an x-ray contrast agent, or an ultrasound contrast agent.

IT 1007219-80-8P 1007219-81-9P

RL: PRPH (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(vitronectin receptor antagonist metallopharmaceuticals as chemotherapeutic or radiosensitizer agents)

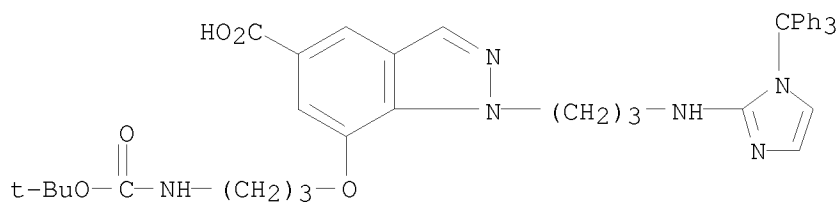
RN 1007219-80-8 CAPLUS

CN 1H-Indazole-5-carboxylic acid, 7-[3-[[1,1-dimethylethoxy)carbonyl]amino]propoxy]-1-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



RN 1007219-81-9 CAPLUS

CN 1H-Indazole-5-carboxylic acid, 7-[3-[[1,1-dimethylethoxy)carbonyl]amino]propoxy]-1-[3-[[1-(triphenylmethyl)-1H-imidazol-2-yl]amino]propyl]- (CA INDEX NAME)



REFERENCE COUNT: 148 THERE ARE 148 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1966:20052 CAPLUS

DOCUMENT NUMBER: 64:20052

ORIGINAL REFERENCE NO.: 64:3741b-g
 TITLE: Aminoarylideneacetonitrile dyes
 PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
 SOURCE: 16 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 6500517		19650719	NL 1965-517	19650115 <--
BE 658426			BE	
FR 1425609			FR	
			DE	19640117

PRIORITY APPLN. INFO.:

GI For diagram(s), see printed CA Issue.

AB Greenish yellow dyes of the general formula I for polyester fabrics were prepared; in formula I, R is H or Me, R1 Et, Bu, or PhOCH₂CH₂, R2 = H or MeO₂C, X = CN or CO₂Et, and Y is CO₂, OCO₂, or O. Bu(HOCH₂CH₂)NPh (II) 19.3, C₆H₆ 100, powdered K₂CO₃ 13.8, present with p-MeO₂CC₆H₄COC₁ 19.9 parts, and the product 35.5 parts, b_{0.6} 230-5°, in 100 parts PhCl added dropwise at 50-5° to 30.7 parts POCl₃ and 14.6 parts HCONMe₂ and stirred 12 hrs. at 50-5° yielded p-MeO₂CC₆H₄CO₂CH₂CH₂N(Br)C₆H₄CHO-p (III). III 38, NCCH₂CO₂Et 12, EtOH 20, and piperidine 1 part refluxed 2 hrs. yielded yellow I (R = H, R1 = Bu, R2 = p-MeO₂C, X = CO₂Et, Y = CO₂), m. 120-1° (EtOH); it dyes polyester, polyamide, and triacetylcellulose fabrics greenish yellow shades of very good fastness properties. III with CH₂(CN)₂ gave similarly I (R = H, R1 = Bu, R2 = p-MeO₂C, X = CN, Y = CO₂), m. 88-90°. II (20.7 parts) treated with 19.9 parts p-MeO₂CC₆H₄COC₁ and 11 parts Et₃N at 80-100°, and the condensation product formylated yielded 2,4-Me[p-MeO₂CC₆H₄CO₂CH₂CH₂N(Bu)]C₆H₃CHO; a 40-part portion in 100 cc. Et₃N with 7 parts CH₂(CN)₂ in BuOH yielded greenish yellow I (R = Me, R1 = Bu, R2 = MeO₂C, X = CN, Y = CO₂), m. 112-14° (EtOH). Et(HOCH₂CH₂)NPh condensed with o-MeO₂CC₆H₄COC₁ and then formylated, and the resulting 2,4-Me[o-MeO₂CC₆H₄CO₂CH₂CH₂N(Et)]C₆H₃CHO treated with CH₂(CN)₂ yielded I (R = Me, R1 = Et, R2 = o-MeO₂C, X = CN, Y = CO₂), m. 100-1°. 3-Me derivative of II condensed with p-ClCO₂C₆H₄CO₂Me, and the product heated to 150-200°, distilled (b_{0.5-0.6} 198-207°), and then formylated with POCl₃-HCONMe₂ gave 2,4-Me[p-MeO₂CC₆H₄CO₂CH₂CH₂N(Bu)]C₆H₃CHO, b_{1.6} 279-80°, which with CH₂(CN)₂ yielded I (R = Me, R1 = Bu, R2 = p-MeO₂C, X = CN, Y = O), m. 84-7°. m-MeC₆H₄N(CH₂CH₂Cl)Et (IV) 59.5, HCONMe₂ 100, and PhONa 34.8 parts gave m-McC₆H₄N(CH₂CH₂OPh)Et, b_{0.8} 155-63°, which formylated and condensed with NCCH₂CO₂Et yielded I (R = Me, R1 = Et, R2 = H, X = CO₂Et, Y = O), m. 74-5°. IV 59.8, HCONMe₂ 357, and p-MeO₂CC₆H₄CO₂K 72.5 parts heated 7 hrs. at 140°, concentrated, and treated with 95 parts POCl₃ yielded 2,4-Me[p-MeO₂CC₆H₄CO₂CH₂CH₂N(Et)]C₆H₃CHO, m. 77-80°, which condensed with CH₂(CN)₂ yielded I (R = Me, R1 = Et, R2 = p-EtO₂C, X = CN, Y = CO₂), m. 136-8°. m-MeC₆H₂N(CH₂CH₂OH)Et 71.5 with ClCO₂Ph 69.0 and Et₃N 44.5 parts gave m-MeC₆H₃N(CH₂CH₂OCO₂Ph)Et which formylated and condensed with CH₂(CN)₂ yielded I (R = Me, R1 = Et, R2 = H, X = CN, Y = OCO₂). m-MeC₆H₄(CH₂CH₂Cl)₂ 23.2, NaOPh 24, and (MeOCH₂CH₂)₂O 50 parts refluxed 1-2 hrs., and the product formylated gave 2,4-Me[(PhOCH₂CH₂)₂N]C₆H₃CHO, m. 82-4° (EtOH), which condensed with

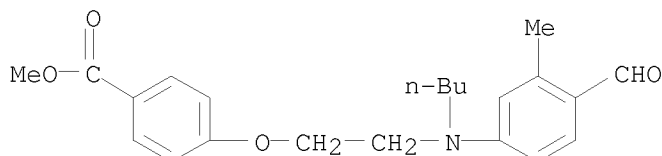
CH₂(CN)₂ yielded I (R = Me, R₁ = PhOCH₂CH₂, R₂ = H, X = CN, Y = O); it dyes greenish yellow shades.

IT 1081794-87-7P

RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)
(Aminoarylideneacetonitrile dyes)

RN 1081794-87-7 CAPLUS

CN Benzoic acid, 4-[2-[butyl(4-formyl-3-methylphenyl)amino]ethoxy]-, methyl ester (CA INDEX NAME)



L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1963:408695 CAPLUS

DOCUMENT NUMBER: 59:8695

ORIGINAL REFERENCE NO.: 59:1531d-h,1532a-d

TITLE: Quaternary ammonium salts from tertiary
2-phenoxyethylamines

INVENTOR(S): Copp, Frederick C.; Elphick, Albert R.; Coker,
Geoffrey G.

PATENT ASSIGNEE(S): Wellcome Foundation Ltd.

SOURCE: 13 pp.

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

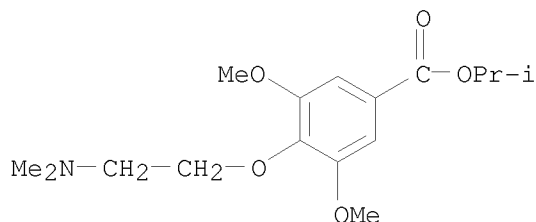
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 919126		19630220	GB	19580701 <--
PRIORITY APPLN. INFO.:			GB	19580701

GI For diagram(s), see printed CA Issue.

AB (Phenoxyalkyl)dialkylamines are treated with alkyl halides to give I and II, where R and R₁ are Me or Et, R₂ and R₃ are H, halogen, MeO, or Me, Y is NO₂, Cl, an alkyl, or an alkoxy group, Z is a C1-3 alkoxy group, and X is iodine or Br; I and II can be used as depressants for the peripheral sympathetic nervous system. Thus, 136 g. 4-hydroxy-3,5-dimethylbenzophenone is added to a solution of 13.8 g. Na in 950 mL. hot EtOH, 136 g. BrCH₂CH₂Br added, the mixture refluxed 7 h., .apprx.700 mL. EtOH evaporated in vacuo, the residue poured into 500 mL. H₂O, the oil that sep. extracted with Et₂O, the extract washed with 5N NaOH, the

Et₂O

evaporated, and the residue distilled to give 2-(4-benzoyl-2,6-dimethylphenoxy)ethyl bromide (III), b_{0.01} 182-6°, m.p. 76°. A mixture of 16.7 g. III and 50 g. 25% Me₂NH(MeOH) is heated in a sealed tube at 100° 6 h., the mixture evaporated, excess 5N NaOH added to the residue, the oil that sep. extracted with Et₂O, the Et₂O evaporated, and the residue distilled to give 1-(4-benzoyl-2,6-dimethylphenoxy)-2-dimethylaminoethane (IV), b_{0.001}



L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1963:408694 CAPLUS

DOCUMENT NUMBER: 59:8694

ORIGINAL REFERENCE NO.: 59:1531c-d

TITLE: Catalytic reduction of haloaromatic nitro compounds to haloaromatic amines

INVENTOR(S): Dietzler, Andrew J.; Keil, Theodore R.

PATENT ASSIGNEE(S): Dow Chemical Co.

SOURCE: 3 pp.

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3067253		19621204	US 1958-746334	19580703 <--
PRIORITY APPLN. INFO.:			US	19580703

AB Good yields of haloaromatic amines are obtained from the catalytic hydrogenation of haloaromatic nitro compds. in the presence of 0.1-0.3 g. Ca(OH)₂ per g. Raney Ni catalyst. Thus, the following redns. were carried out: m-BrC₆H₄NO₂ to m-BrC₆H₄NH₂, 83-7%; 4,3-Br(O₂N)C₆H₃Ph to 4,3-Br(H₂N)C₆H₃Ph, 86.3%; 3,4-Br(O₂N)C₆H₃OH to 3,4-Br(H₂N)C₆H₃OH, 72.9%; 3,4-Cl₂C₆H₃NO₂ to 3,4-Cl₂C₆H₃NH₂, 91.3%; and 2,5-Br₂C₆H₃NO₂ to 2,5-Br₂C₆H₃NH₂, 88.5%. CaCO₃, Ca(OAc)₂, Mg(OH)₂, NaOAc, or Na₂CO₃ may be used in place of Ca(OH)₂.

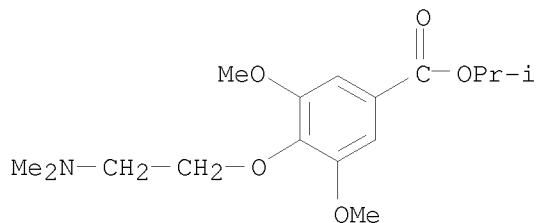
IT 875831-55-3P, Benzoic acid,
4-[2-(dimethylamino)ethoxy]-3,5-dimethoxy-, isopropyl ester

RL: PREP (Preparation)

(preparation of)

RN 875831-55-3 CAPLUS

CN Benzoic acid, 4-[2-(dimethylamino)ethoxy]-3,5-dimethoxy-, 1-methylethyl ester (CA INDEX NAME)

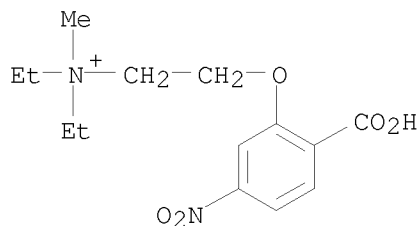


L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1954:28918 CAPLUS
 DOCUMENT NUMBER: 48:28918
 ORIGINAL REFERENCE NO.: 48:5219h-i,5220a-c
 TITLE: Quaternary ammonium salts of tertiary aminoalkyl
 2-(tertiary aminoalkoxy)-4-substituted-benzoates
 INVENTOR(S): Clinton, Raymond O.; Laskowski, Stanley C.
 PATENT ASSIGNEE(S): Sterling Drug Inc.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2642435		19530616	US 1951-245249	19510905 <--

AB Preparation and properties are described for series of compds. having 2 quaternary ammonium groups, which have ganglionic blocking activity. Thus, 2-(tertiaryaminoalkoxy)-4-nitrobenzoic acids are heated in refluxing EtOH or PrOH with a tertiary-aminoalkyl halide to yield tertiary aminoalkyl 2-(tertiary aminoalkoxy)-4-nitrobenzoates. These are reacted with 2 equivalent of MeI to form the corresponding dibasic quaternary ammonium salts. The nitro groups are then reduced by catalytic hydrogenation. Thus, 15.9 g. of 2-(2-diethylaminoethoxy)-4-nitrobenzoic acid-HCl, 8.1 g. Et₂NCH₂CH₂Cl, and 200 ml. iso-PrOH are refluxed 7 hrs. and allowed to stand overnight. Purification yielded a straw-colored oil, 2-diethylaminoethyl 2-(2-diethylaminoethoxy)-4-nitrobenzoate (I) (di-HCl salt, m. 193-3.9°). To a solution of 4.8 g. of I in 125 ml. of EtOAc was added 20 ml. of MeI at room temperature After standing overnight, precipitate was removed, washed, and recrystd. from absolute alc. to yield the dimethiodide (II) of I. II was reduced with H under reduced pressure at 50° in absolute alc. to give 2-diethylaminoethyl 2-(2-diethylaminoethoxy)-4-aminobenzoate-MeI, m. 210.5-11.9°. Similar preparation is described for 3-piperidinopropyl 2-(2-diethylaminoethoxy)-4-nitrobenzoate-2HCl, m. 214.4-15.2°; 2-morpholinoethyl 2-(2-diethylaminoethoxy)-4-nitrobenzoate-2HCl, m. 217-18°; 3-piperidinopropyl 2-(3-piperidinolpropoxy)-4-nitrobenzoate-2HCl, m. 213-14.1 (di-MeI, m. 203.6-4.2); 3-piperidinopropyl 2-(2-diethylaminoethoxy)-4-nitrobenzoate-2MeI, m. 113.4-15.5; 2-(2-methylpiperidinoethyl 2-(2-diethylaminoethoxy)-4-nitrobenzoate-2MeI, m. 201.1-2.9. All m.ps. are corrected Cf. preceding abstract
 IT 878796-24-8, Ammonium, [2-(2-carboxy-5-nitrophenoxy)ethyl]diethylmethyl-, iodide (esters)
 RN 878796-24-8 CAPLUS
 CN Ethanaminium, 2-(2-carboxy-5-nitrophenoxy)-N,N-diethyl-N-methyl-, iodide (1:1) (CA INDEX NAME)



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L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1954:28917 CAPLUS

DOCUMENT NUMBER: 48:28917

ORIGINAL REFERENCE NO.: 48:5219b-h

TITLE: Quaternary ammonium salts of lower alkyl 2-(tertiary aminoalkoxy)-4-substituted-benzoates

INVENTOR(S): Clinton, Raymond O.; Laskowski, Stanley C.

PATENT ASSIGNEE(S): Sterling Drug Inc.

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

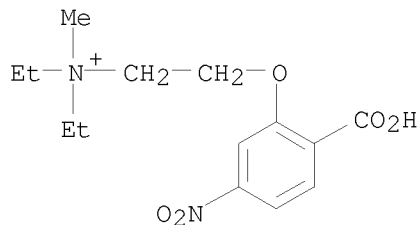
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	US 2642434		19530616	US 1951-245248	19510905 <--
AB	<p>The preparation of a series of quaternary ammonium compds. having ganglionic-blocking activity (cf. C.A. 46, 6108e; 44, 6403b) is described. Thus, to 42.2 g. 4,2-O₂N(HO)C₆H₃CO₂Et in 1 l. refluxing absolute alc. was added 4.6 g. Na in 500 ml. absolute alc., then 27.1 g. Et₂NCH₂CH₂Cl (I). 5 g. more I added after 3 hrs., refluxing continued 0.5 hr., the mixture cooled in ice, filtered, the filtrate evaporated to dryness in vacuo, the residue dissolved in 500 ml. EtOAc, filtered, and the filtrate evaporated to dryness to yield Et 2-(2-diethylaminoethoxy)-4-nitrobenzoate (II); HCl salt, m. 144.4-5.2° (yield 45.5 g.). II with Sn and HCl gave the 4-amino analog (III); III.HCl, m. 134-5° (from Me₂CO-EtOAc); III.2HCl, m. 173.6-3.9° (from absolute alc.-EtOAc); III.H₃PO₄, m. 168.7-9.6° (from 95% alc.). To 6 g. II in 50 ml. of EtOAc was added 15 ml. MeI, the solution refluxed 1.5 hrs., cooled, and the product filtered and washed with EtOAc; the II.MeI m. 143.1-4.6° (from iso-PrOH), was reduced by H and Pt at room temperature to III.MeI (IV) m. 139.2-41.1°. IV 10, PrCHO 5, PtO₂ 0.5 g. and 150 ml. absolute alc. treated at 50° with H under an unspecified pressure yielded Et 2-(2-diethylaminoethoxy)-4-(butylamino)benzoate-MeI. The following compds. having the general formula 3,4-RR₁N(CH₂)_nO(R₂O₂C)C₆H₃NO₂ are reported (n, R, R₁, R₂, salt, and m.p. of salt, resp., given): 2, Me, Me, Et, MeI, 190.2-1.2°; 2, Et, Et, Pr, HCl, 153.4-5.4° (MeI, 143.2-4.6°); 3, Et, Et, Et, HCl, 164.8-5.6° (MeI, 148-9.6°); 2, (NRR₁ =) piperidino, Et, HCl 191-1.5° (MeI, 147.7-8.9°); 2, (NRR₁ =) 2-methylpiperidino, Et, HCl 180.8-2.6° (MeI, 159.8-61.0°); 3, (NRR₁ =) 2-methylpiperidino, Et, HCl, 158.2-9.6° (MeI</p>				

165.5-6.5°); 2, (NRR1 =) 2,6-dimethylpiperidino, Et, HCl 153-4° (MeI, 192.3-2.9°); 2, (NRR1 =) morpholino, Et, HCl, 207-8°. (MeI, m. 190.5-1.3°); 3, (NRR1 =) morpholino, Et, HCl 142-4.6° (MeI, 161.1-1.7°); 2, Et, Et, Me, HCl, 156.9-9.2° (MeI, 162.5-3.0°); 2, (NRR1 =) morpholino, Me, HCl, 206-6.4°, (MeI 209-11°). The following compds. having the general formula 3,4-RR1N(CH2)nO(R2O2C)C6H3NH2 are reported: 2, Et, Et, Me, MeI, m. 127.4-9.0°; 2, Et, Et, Pr, mono-H3PO4, 153-4° (MeI m. 127.4-9.6°); 3, Et, Et, Et, H3PO4 151.5-3.2°, (MeI, m. 125-6°); 2, (NRR1 =) piperidino, Et, H3PO4, 220.8-1.4° (MeI, 167.4-8.4°; free base m. 107.3-8.5°); 2, (NRR1 =) 2-methylpiperidino, Et, 91.2-2.4°; 2, (NRR1 =) 2,6-dimethylpiperidino, Et, H3PO4 211-11.8° (MeI 123.4-6.4°); 3, (NRR1 =) 2-methylpiperidino, Et, 112.4-3.5° (H3PO4, 136.4-8.3°); 2, (NRR1 =) morpholino, Et, 98-9.8° (H3PO4, 196.3-6.9°; MeI 182.7-3.7°); 3, (NRR1 =) morpholino, Et, H3PO4, 143.4-4.4° (free base, m. 106.8-8.0°; MeI, 151.9-3.1°); 2, Me, Me, Et, H3PO4, 176.3-7.3° (MeI, 127.4-9.6°). Also reported is the preparation of Et 2-(2-chloroethoxy)-4-nitrobenzoate, m. 56.6-7.2°; Et 2-(2-diethylaminoethoxy)-4-(butylamino)benzoate-HCl, m. 160.5-1.8°. All m. ps. are corrected

IT 878796-24-8, Ammonium, [2-(2-carboxy-5-nitrophenoxy)ethyl]diethylmethyl-, iodide (esters)
 RN 878796-24-8 CAPLUS
 CN Ethanaminium, 2-(2-carboxy-5-nitrophenoxy)-N,N-diethyl-N-methyl-, iodide (1:1) (CA INDEX NAME)



● I⁻

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1938:41768 CAPLUS
 DOCUMENT NUMBER: 32:41768
 ORIGINAL REFERENCE NO.: 32:5807a-c
 TITLE: Amino ethers of phenolic benzoic esters
 AUTHOR(S): Rohmann, C.; Koch, A.
 SOURCE: Archiv der Pharmazie und Berichte der Deutschen Pharmazeutischen Gesellschaft (1938), 276, 154-64
 CODEN: APBD AJ; ISSN: 0376-0367
 DOCUMENT TYPE: Journal

10/923,271

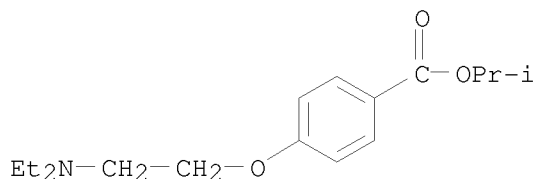
LANGUAGE: Unavailable

AB cf. C. A. 30, 4160.7. In the present study the carboxy group of p-HOC₆H₄CO₂H has been esterified with different alcs., while the HO group was etherified with Et₂NCH₂CH₂OH. The alkaline ethers thus carry a tertiary N radical. This ever-present group stands in the p-position to a varying ester group. This arrangement conditions the local anesthetic action. With the aid of the organoleptic test, it was found that all the compds. prepared were more or less locally anesthetic. The change in activity, since the ether group remained constant, must therefore depend on the variation of the alkyl radical in the ester group. All the compds. were tested along with novocaine, tutocaine, cocaine and pantocaine with respect to their physicochem. properties, and the results obtained herein reported. Among the alkyl p-diethylaminoethoxybenzoate-HCl prepared were: Et, m. 154°; Pr, m. 103°; iso-Pr m. 146°; Bu m. 74°; iso-Bu m. 92°; allyl, m. 176-7°.

IT 1071582-57-4P
RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)
(Amino ethers of phenolic benzoic esters)

RN 1071582-57-4 CAPLUS

CN Benzoic acid, 4-[2-(diethylamino)ethoxy]-, 1-methylethyl ester, hydrochloride (1:1) (CA INDEX NAME)



● HCl

L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1934:60903 CAPLUS
DOCUMENT NUMBER: 28:60903
ORIGINAL REFERENCE NO.: 28:7429h-i, 7430a-b
TITLE: Dialkylaminoalkyl esters of hydroxy-3-carboxybiphenyls
INVENTOR(S): Christiansen, Walter G.; Harvey, Adelbert W.
PATENT ASSIGNEE(S): E. R. Squibb & Sons
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 1976922		19341016	US	<--

AB Compds. (suitable for use as local anesthetics in solution buffered with a phosphate) such as the dialkylaminoalkyl esters of 3 - carboxy - 4 - hydroxybiphenyl and 3 - carboxy - 2-hydroxybiphenyl and salts thereof, particularly 3-β-diethylaminocarbethoxy-4-hydroxybiphenyl and its

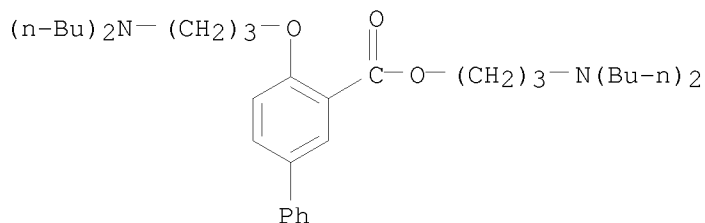
salts are prepared by converting the hydroxy-3-carboxybiphenyl to a salt, forming a halide ester, preferably a bromoalkyl ester from the salt and then forming the dialkylaminoalkyl ester from this. Purification of the 3- β -diethylaminocarbethoxy-4-hydroxybiphenyl hydrochloride may be accomplished by crystallization from absolute EtOH. The product, in the form of the

hydrochloride, is a white crystalline substance soluble in water, m. 167-168.5°. The free ester is an almost colorless oil. Starting with 3-carboxy-2-hydroxybiphenyl and employing similar reactions, corresponding alkyl derivs. may be formed in which the hydroxy group is in the 2- instead of the 4-position.

IT 873986-35-7, Benzoic acid,
2-(γ -dibutylaminopropoxy)-5-phenyl-, γ -dibutylaminopropyl
ester
(and salts)

RN 873986-35-7 CAPLUS

CN [1,1'-Biphenyl]-3-carboxylic acid, 4-[3-(dibutylamino)propoxy]-,
3-(dibutylamino)propyl ester (CA INDEX NAME)



L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1934:60902 CAPLUS

DOCUMENT NUMBER: 28:60902

ORIGINAL REFERENCE NO.: 28:7429g-h

TITLE: Dialkylaminoalkyl esters of
dialkylaminoalkoxy-3-carboxybiphenyl

INVENTOR(S): Christiansen, Walter G.; Braker, William

PATENT ASSIGNEE(S): E. R. Squibb & Sons

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 1976921	---	19341016	US	<--

AB Comps. (suitable for use in the preparation of local anesthetics) such as 3- β -diethylaminocarbethoxy-4- β -diethylaminoethoxybiphenyl and 3- γ -dibutylaminocarbopropoxy - 4 - γ - dibutylaminopropoxybiphenyl are prepared from a hydroxy-3-carboxybiphenyl by forming its di-Na derivative and then replacing the Na atoms by dialkylaminoalkyl radicals (various details for preparing these comps. and their hydrochlorides and borates being given).

IT 873986-35-7, Benzoic acid,
2-(γ -dibutylaminopropoxy)-5-phenyl-, γ -dibutylaminopropyl

10/923,271

ester

(and salts)

RN 873986-35-7 CAPLUS

CN [1,1'-Biphenyl]-3-carboxylic acid, 4-[3-(dibutylamino)propoxy]-,
3-(dibutylamino)propyl ester (CA INDEX NAME)

